

OUTLOOK

The University of Maryland College Park

October 13, 1986

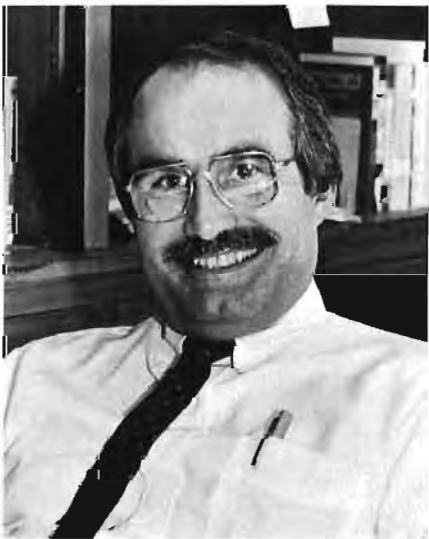
News Briefs

Vice Chancellor Sturtz Becomes Acting A.D.

When Dick Dull moves from his job as Athletic Director to become an Advisor to the Chancellor, Vice Chancellor for Administrative Affairs Charles F. Sturtz will take over the management of the Dept. of Intercollegiate Athletics on an acting basis.

Chancellor Slaughter announced Sturtz' appointment on Oct. 7, stating that Sturtz will hold down the acting athletic director's post along with his present job while a national search for a permanent director is conducted.

Sturtz will have a number of responsibilities in his new job, including the following: facilitating a review of the Task Force Report on Academic Achievement of Student-Athletes and implementing policy changes resulting from the review; conducting a thorough review of the financial position and capacity of the department; examining and strengthening the management structure of the department; acting as a bridge between coaches and the



JOHN T. CONSOLI

Athletic Council; redirecting the focus of the public and media toward sports and team performance rather than on the administration of the program; and laying the groundwork for a permanent athletic director to be selected when appropriate.

Dick Dull Resigns



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At a press conference on Oct. 7 UMCP Athletic Director Richard Dull announced that he will resign his current position on Nov. 1 to become an advisor to Chancellor John B. Slaughter. Dull will serve in his new job from Nov. 2, 1986 until Nov. 1, 1987, and for an additional nine months he will be available as an advisor on an as-needed basis, said Slaughter.

Task Force Issues Recommendations

A special UMCP task force has found that "The University has not been vigilant in safeguarding the quality of the academic program of student athletes." Although procedures and regulations exist to ensure the integrity of those programs, the task force said both campus administrators and athletic department officials have not consistently enforced them. The University also has failed to insist that all personnel and students maintain the highest personal and academic standards.

In a report made public last Friday, the Task Force on Academic Achievement of Student-Athletes proposed more than 60 recommendations that it says are intended to tighten and refine an educationally sound and respectable athletic program at UMCP.

"We sincerely hope that by enforcing our academic standards as an educational institution, by carefully scrutinizing the academically at risk students who are admitted to the University, restricting their number,

curtailing their freshman eligibility, and imposing academic eligibility requirements on all athletes, we will develop and maintain an athletic program of substantial vitality and integrity," the Task Force report states.

Review copies of the 43-page report are available in the Reserve Rooms of both McKeldin and Hornbake Libraries.

"We hope," said Task Force chairman J. Robert Dorfman, "the report and recommendations will help Chancellor Slaughter in providing a sound educational experience for the student-athletes at Maryland and help the campus address issues that have been a concern to us."

The report is the culmination of an intensive three-month-long examination of the strengths and weaknesses of academic and non-academic support programs for UMCP athletes.

The 24-member panel also assessed the roles and responsibilities of the coaching staffs and team booster clubs, the mission and goals of the

continued on page 3.



JOHN T. CONSOLI

Task Force Chairman J. Robert Dorfman responds to questions from a TV reporter.

UM To Join USAID-Egypt Project

UMCP researchers in crop protection and international extension management will have significant parts to play in a recently-awarded \$130 million, six-year U.S. Agency for International Development contract with the Egyptian government, says John Moore, assistant dean of the UMCP College of Agriculture.

The prime contractor for the proposal is the Consortium for International Development and the lead institution is New Mexico State University, but Moore believes the Maryland component of the work involved could total \$20 million for crop protection expertise alone.

The new contract follows a long history of partnership with Egyptian scientists, Moore says, beginning with his trip with then-Provost Francis Stark to Egypt in 1979. The University co-sponsored a conference on

agricultural development in post-peace Egypt in 1980, and additional research and training collaborations under the aegis of the Channels program. Channels participants take courses in Egypt but come to the U.S. to learn current research techniques.

The Department of Entomology is expected to play the lead role in providing crop protection support for the contract. The University will subcontract part of its commitment to the Consortium for International Crop Protection, says entomology professor Dale Bottrell, who will direct the crop protection component of Maryland's participation.

Numerous other departments—botany, horticulture, agronomy and agricultural economics among them—are expected to be involved in the research, according to Bottrell.

The research management component of the award will be coordinated through the Office of International Programs' International Development Management Center with research associate Marcus Ingle as the lead technical contact person. Faculty from sociology, agricultural and extension education, and the business and management departments are likely to assist research management work, Moore says.

Biotechnology, greenhouse management, dairy processing and agricultural economic policy and data collection are additional areas funded under the USAID award where Moore believes UMCP faculty may be involved, although the University isn't expected to play a major support role for these projects. ■

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McCarthy On Violence

Colman McCarthy, syndicated columnist for the *Washington Post*, is the featured speaker at a General Honors Program Colloquium, Fri. Oct. 17, at 2 p.m. in 0110 Hornbake. In a speech titled, "Why Non-Violence is Effective—Why Violence is a Failure," McCarthy will focus on alternatives to violence as a means of resolving problems. He is scheduled to teach an Honors Program seminar on this topic next semester.

Fellows and Founders Deadlines

The deadlines for nominations for the ACE Fellows Program and the Texas Instruments Foundation Founder's Prize are just around the corner, according to Assistant Vice Chancellor of Academic Affairs David Falk. ACE Fellows Program participants gain administrative experience at other campuses; nominations must be in Falk's office no later

than November 7. The Texas Instruments Foundation Founder's Prize carries a stipend of \$50,000 for outstanding individual achievement in the physical sciences, health sciences, management sciences, engineering or mathematics. Nominations must be postmarked December 31, and successful candidates are usually between the ages of 20 and 45 years old. For more information, call Dr. Falk at 454-4508.

RESEARCH UPDATES

UMCP to Develop a Stone-cutting Robot

A research project that will apply computer graphics, computer assisted design and drafting, computer controlled machine tools, robotics and artificial intelligence to the ancient art of stone-cutting has been launched under a two-year \$310,000 grant from the National Science Foundation.

The research project will provide a practical framework for the study of fixed and semi-fixed plant construction automation, says Leonhard Bernold, a member of the UMCP Civil Engineering faculty and the department's Construction Engineering and Management Program. The stone-cutting process will be used as a context for the study which is designed to develop generic concepts for the automation of other construction procedures.

The joint research team includes experts from the campus Mechanical Engineering and Civil Engineering departments and the Robotic Laboratory. Co-directing the project are Daniel W. Halpin, A. J. Clark Chair Professor of Construction Management and director of the Construction Engineering and Management Program, and Jackson C. S. Yang, professor of mechanical engineering and director of the campus Robotic Laboratory. Vjekoslav Pavlin, faculty research associate in the Mechanical Engineering Dept., will oversee the machine control aspects of the project; Bernold will be in charge of production control.

Also assisting will be James S. Albus, chief of the Robot Systems Division of the National Bureau of Standards, which currently is at the forefront of developments in the control of Flexible Manufacturing Systems (FMS) in the U.S.

Pietro Morasso, Professore di Robotica Antropomorta at the

University of Genova in Italy, will serve as the project's stone-cutting consultant.

The team will develop a stone-cutting robot that addresses characteristics uniquely found in construction, Bernold says. Knowledge gained will aid in the study of further applications of FMS to other construction processes such as the cutting and assembly of wooden roof trusses, bending of reinforcing steel, bending of pipe spools and similar operations.

"We hope that by studying the hardware requirements such as sensors, tools, work piece stabilization and movement, for example, generic concepts for the automation of other construction processes can be

developed," Bernold says.

Stone-cutting was selected as the test vehicle specifically because of its relative simplicity and because some preliminary research on the machine level has already been conducted. It does not require complicated assembly operations.

The investigation will focus on three stone-cutting tasks—machining or planing, inspection, and transportation. The elements being worked are for column capitals and must be machined on four faces. The process

is now done by a mix of machine and manual methods and requires 16 working hours. The weight of these stone blocks is between one and a half and two tons.

A specially designed Gantry robot, developed by the NBS Robot Systems Division for cutting stone has been donated to the campus Robotic Laboratory. Limestone and sandstone will be used in the research program. ■

—Tom Otwell

Drought Helps Soybeans

Insufficient rainfall certainly damages most plants, but mild drought conditions may actually help some crops such as soybeans erect defenses against ultraviolet radiation, UMCP botanists Alan Teramura and Narasipur Murali say.

Ultraviolet radiation is that portion of the electromagnetic radiation from the sun that manages to get through the Earth's protective layer of ozone. Scientists are concerned that as pollution continues to destroy this ozone buffer, ultraviolet radiation will damage or destroy agriculturally important crops.

Moisture stress, however, helps soybeans manufacture more compounds in their leaves to absorb ultraviolet radiation, a sort of natural sunscreen, the researchers report. ■



Soybean

Moreover, Murali and Teramura say, soybean leaves thicken and further protect the plant against ultraviolet rays when the plants experience water stress. ■

Kerley Tapped For Army Probe



Ellis Kerley

Anthropology professor Ellis Kerley has been tapped as a member of a four-person task force to address criticism of the Army's Central Identification Laboratory (CILHI) operations.

Kerley, a forensic anthropologist who specializes in identifying human bones, will serve on an evaluation and advisement team that will visit the Hawaiian laboratory location this month. The Army facility is charged primarily with identifying the remains of servicemen killed in Southeast Asia.

Team leader George Gill, professor of anthropology at the University of Wyoming, has already testified before Congress that while the Army does a generally credible job at the Identification Laboratory, several recent lapses in scientific protocol have severely damaged the laboratory's

credibility. The questions were raised by families of servicemen who protested the identifications provided by the laboratory and sought the scientific judgment of forensics specialists outside the CILHI.

In one case, testimony related, the bones involved were not even human.

A House investigation of the matter began in mid-summer, and a hearing was held by a Senate committee in August. Kerley was asked to serve on the evaluation team with Gill, Lowell Levine, a forensic dentist at Huntington Station, N.Y., and William Maples, a University of Florida anthropologist.

Kerley and Levine also served recently on a task force to identify the remains of Josef Mengele, accused Nazi war criminal. ■

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OUTLOOK

OUTLOOK is published weekly during the academic year by the Office of Institutional Advancement for the faculty and staff of The University of Maryland College Park Campus.

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Nickels Awarded Medal

William Nickels, associate professor of business and management, won the George Washington Honor Medal for emphasizing the free enterprise system in his introductory business class and in an upcoming textbook for the course. The text, to be published in January 1987 by Times Mirror/Mosby, contains two chapters on economics stressing free enterprise. The course is part of UMCP's innovative Liberal Arts in Business Program instituted in the Fall of 1983.

World Food Day Celebrated

The World Food Day Celebration on October 16 at UMCP will include four hours of varied activities, involving many campus faculty and student groups. Beginning at the North Gate entrance on Route 1, a human chain will stretch up to Hornbake Mall and end at the Stamp Student Union. The link-up begins at 11 a.m., culminating

in Vice Chancellor for Academic Affairs William Kirwan's official proclamation of World Food Day at 11:30 on Hornbake Mall. From noon to 3 p.m. a teleconference by satellite with national food supply experts and a question-and-answer session will take place in 2111 Stamp Student Union. For more information call 454-3623 or 454-5601.

Recommendations

Strengthening Academic Achievement of Student-Athletes

continued from page 1.

University's intercollegiate athletics department, and policies and practices pertaining to the recruitment, admission and orientation of student athletes as well as freshman eligibility.

Created by Slaughter on June 30, with a Sept. 30 deadline by which to submit its findings and recommendations, the Task Force met at least once weekly and frequently more often either as a whole or in one of five sub or working groups.

The Chancellor presented the report to the Board of Regents at its Oct. 10 meeting at UMES. It was made public the same day.

Slaughter is expected to hold a news conference Oct. 21 to comment on the report, its findings and recommendations.

Specifically, the Task Force recommended the following:

Intercollegiate Athletics at UMCP

The Department of Intercollegiate Athletics, in cooperation with the Athletic Council and with the advice of the entire campus community, should develop a statement of mission. Currently, the University has not clearly articulated the role of the intercollegiate athletics program at UMCP, nor has the department a written statement of its mission, goals, and responsibilities.

The department should become more parallel with other campus units by having a plan of organization that spells out lines of reporting and performance evaluation, budgeting procedures, and personnel contract review. It should be subject to periodic administrative and program reviews.

The role of the Athletic Council should be expanded and its membership broadened.

The appointment, conduct and performance of coaches should be guided and evaluated by a written policy statement, and a Council of Head Coaches should be established.

Special housing for student-athletes should be eliminated, and a system of academic assistance based on individual needs should replace mandatory study halls for all student-athletes. Both the academic community and the Athletic Dept. should increase emphasis on the importance of academics for student-athletes, and a handbook of rules and regulations governing the academic, athletic and personal performance of these students should be published.

Recruitment, Admissions, Orientation, and Freshmen

A recruiting brochure for all prospective student-athletes describing the academic programs and opportunities available at UMCP and highlighting programs and faculty of special distinction should be developed by the Athletic Dept.

No National Letter of Intent should

be offered before a review of the potential recruit's academic credentials has been made by the Office of Undergraduate Admissions. Athletic recruiters should seek applicants who can meet the requirements of the Preferred and Regular Admissions categories. When the National Letter of Intent is signed, a Compact Letter of Agreement outlining the joint responsibilities of both the recruit and the University should be signed and a copy sent to the recruit's parents or guardian.

Recruiters should seek to attract student-athletes from the State of Maryland and especially the Baltimore metropolitan area.

Admissions Procedures

The Task Force proposed seven recommendations dealing with admission procedures for Individual Admit student-athletes, among them that no more than 27 "academically at risk" students be admitted for the 1987-88 school year, and that thereafter, no more than 18 be admitted. Students who are below Proposition 48 standards should be enrolled in the Transitional Studies Program. Academic records of those "academically at risk" should be reviewed in two years by the Athletic Council.

Orientation

A mandatory two-day orientation session for all student-athletes should be held, and all freshmen student-athletes should be required to attend a separate orientation program coordinated by the Athletic Dept. in which workshops on study skills, career development, campus resources, pressures of being an athlete and student and adjustment to campus life are held.

Freshman Eligibility

Those freshmen who are "academically at risk" should not be allowed to participate in athletic competition as freshmen, although they may practice with their teams for up to 15 hours per week. Provided they enter with credentials above Proposition 48 standards, they will have four years of eligibility following their freshman year. The Task Force also endorsed Chancellor Slaughter's position on eliminating freshmen eligibility in football and in men's and women's basketball by the NCAA.

Academic Programs, Policies and Problems

An Academic Support Unit, headed by a director with a graduate degree in counseling, should be established to monitor the academic progress of all student-athletes and provide support to those who are academically at risk and those not in this category who request such support. The goal is to produce students who are able to progress normally without this assistance within two years.

The unit should be an administrative arm of the Office of the Dean of Undergraduate Studies. Costs of creating and supporting the unit should be borne by the athletic department.

Academic Standards, Achievement, Eligibility and Majors

The Task Force recommended that the cumulative GPA for maintaining athletic eligibility be substantially upgraded and applied at the start of each semester. It also said these standards should apply for all students involved in extracurricular activities where they represent the university such as those elected to campus-wide positions, and leaders of registered student organizations.

The group also urged that the Campus Senate examine the General Studies major, and determine its value to graduates who were UMCP athletes. It also asked for an assessment of the possible need for new undergraduate majors such as Sports Management and Sports Journalism.

Non-Academic Support Services

The Task Force recommended that the Resident Life staff continue their efforts to incorporate and treat student-athletes as regular members of the student population living on campus. It said special facilities such as training tables that prevent athletes from mingling with other students should be used only when absolutely necessary. "Student athletes should continue to be subject to the same sanctions as all other students when they are in violation of Resident Life regulations," the report stated.

The report also recommended that

academic counselors in the Academic Support Unit have or acquire expertise in career development, stress management, time management and developmental counseling; that support personnel should be sensitive to some of the special problems of student-athletes and flexible to provide outreach programs and schedule meeting times and places to be of maximum benefit to the student-athlete. A mentor program should also be established.

Career counseling and vocational assessment should be part of all student-athlete freshman orientation programs.

Increased recruitment efforts should be made to enlarge the pool of qualified applicants, including minorities, for positions in the athletic department, and specific programs should be developed to help deal with the problems of female and minority athletes, and those from low socio-economic or rural backgrounds.

A pilot program to study the utility of a Non-Cognitive Variable Questionnaire should be initiated to identify students who may need added non-academic support and as a tool to assess readiness to undertake an academic program at UMCP.

The University, the ACC, and the NCAA

The Task Force also proposed several recommendations which would require the approval of the governing boards of the NCAA or ACC before implementation is possible. The issues involved are the size of teams, the length and intensity of practice, travel, and playing schedules, freshman eligibility, and the duration of athletic grants-in-aid. ■

—Tom Otwell



Carrying their "protective headgear"—a Terps football helmet and a red fright wig presented as gag gifts from their colleagues—Task Force Chairman J. Robert Dorfman and member Ray Gillian leave the Chancellor's office after delivering the group's report on Oct. 3.

JOHN T. CONSOLI

CALENDAR

October 13—20

MONDAY

October 13

The Midnight Express Experience, lecture by Billy Hayes, star of the movie *Midnight Express*, 7 p.m., Hoff Theater. Call x4546 for info.*

Octuba Recital, by Michael Bunn (MUSC), 8 p.m., Tawes Recital Hall, 8 p.m. Call x6669 for info.*

The Organization for Tropical Studies: Opportunities in Teaching & Research in Costa Rica, international development colloquium by Douglas Gill (ZOOL), noon-1 p.m., 0115 Symons Hall. Call x6407 for info.*

Reservation Deadline for the Education Alumni Chapter's *A Night in China* at the People's Republic of China Embassy on Nov. 6. Call Linda Spoerer, x4566, for info.

Physics & Technology of Fusion Ignition Experiments, plasma physics seminar by Bruno Coppi (MIT), 1:30 p.m., 1207 Energy Research Bldg. Call x3511 for info.*

Alumni Invitational II exhibit, 4:30-6 p.m., Parents Assn. Art Gallery, Stamp Student Union. On exhibit through Nov. 14. Gallery hours, Mon.-Sat. 8 a.m.-8 p.m. and Sun. noon-8 p.m.*

TUESDAY

October 14

Benefits Orientation for new employees, 10 a.m., fourth floor, Hornbake Library. Call Linda Kelly or Gene Edwards, x6312 for info.*

Blood Drive, noon-6 p.m., Elkton Hall Recreation Room. Call x4645 for info.*

Intellectual Property Issues, preventive counseling seminar. Panelists: Asst. Attorneys General James Mingle, Larry White, Mary Preis & W. Carter Lester, Jr., 10 a.m.-3 p.m., Center of Adult Education. Call (301) 576-6450 for info.*

Status and Prospects for the Super-collider, physics colloquium by J.D. Jackson (Lawrence Berkeley Lab.), 4 p.m., 1410 Physics. Call x3511 for info.*

Statistical Stability, dynamical systems seminar by Donald Ornstein (Stanford U.), 10 a.m., 3206 Mathematics Bldg. Call x2841 for info.*

Athletic Events:

Women's Volleyball vs. Virginia, 7 p.m., Cole Field House.* **Women's Soccer vs. Randolph-Macon College**, 7 p.m.*

The Gods Must Be Crazy, movie, 7 & 9:30 p.m., Hoff Theater. Call x2594 for info.

WEDNESDAY

October 15

History & Legend: The Alexander Sarcophagus, illustrated lecture by Brunilde Sismondo Ridgway (Bryn Mawr), 5 p.m., 1213 Art-Sociology Bldg. Call x2510 or x2076 for info.*

Black Students on a White Campus: Implications of 20 Years of Research, Counseling Center R&D lecture by William Sedlacek (EDCP), noon-1 p.m. Call x2931 for info.*



An example of the architecture of Gottfried Boehm in an exhibit co-sponsored by the School of Architecture.

Radio Observations of Comet Halley, astronomy colloquium by M. Gaylard (Hartebeesthoek Radio Astronomy Observatory, Johannesburg), 4 p.m., 1113 Computer & Space Sciences Bldg.*

On Normal Sequences, dynamical systems seminar by Meir Smorodinsky (Tel Aviv U.), 3 p.m., 3206 Mathematics Bldg. Call x2841 for info.*

Stress Management, Counseling Center Group begins weekly meetings, 6-7 p.m. Call x2931 for info.*

Multi-Cultural Coffee Hour, 3-4:30 p.m., 0205 Jimenez Hall. Call x3043 for info.*

User Participation in Workplace Design, meeting held by the Maryland Center for Productivity & Quality of Working Life, 9 a.m.-noon, BWI International Hotel. Call x6688 for info.

The Collective Magnetic Excitations Seen in Electron Scattering, nuclear theory seminar by L. Zamick (Rutgers U.), 4 p.m., 1218 Physics. Call x3511 for info.*

Men's Soccer vs. George Washington U., 3 p.m.*

The Gods Must Be Crazy, movie. See Oct. 15.

THURSDAY

October 16

Faculty Dance: In Concert, 8 p.m., Publick Playhouse, 5445 Landover Road, Cheverly. Continues through Oct. 18. Call x4056 for ticket info.

French Feminists of the 1820s, published women series lecture by Claire Moses (WMST), noon, Rossborough Inn. Sponsored by AAUW & Maryland University Club x3940.

The Public Turn in Philosophy, three-day conference celebrating the 10th anniversary of the Center for Philosophy & Public Policy, Center of Adult Education. Call x6604 for info.

Tests of the Sensitivity of an NMC Spectral Model to the Radiation Parameterization, meteorology seminar by Robert Ellingson (METO), 3:30 p.m., 2106 Computer & Space Sciences Bldg. Call x2708 for info.*

Tune-Up Time For Careers

Feeling like a round peg in a square world? Have no fear, the 1986 Career Checkup Workshop will help you get out of your rut. During the four-day workshop, participants will get an opportunity to evaluate their present career situation, take a standardized test to determine their interests and explore future

possibilities. The intensive classes, offered three successive Saturdays beginning Friday, October 24, are free to faculty, staff, graduate students, and alumni and open to the general public for a slightly higher fee. For registration and other information, call Bruce Ritter, 454-4581 or 454-2813.

National Lampoon's Animal House, midnight movie, Hoff Theater. Call x2594 for info.

SATURDAY

October 18

Santiago Rodriguez, Piano, Artist Scholarship Benefit Series concert, 8 p.m., Tawes Recital Hall. Call x6669 for info.

Sri Lanka Workshop, sponsored by the Center for International Development & Conflict Management, 9:30 a.m.-3:30 p.m., Mill Bldg. Call x2506 for reservations & info.*

CBM Football Outing Tailgate Party, 4 p.m., Parking Lot C. Call Office of Alumni Programs, x2938, for info.

Parents Day '86, 9 a.m.-9 p.m. Call x3322 for info.

Athletic Events:

Women's Volleyball vs. Wake Forest, 11 a.m., Cole Field House.* **Men's Football vs. Wake Forest**, 7 p.m., Byrd Stadium. **Women's Soccer vs. U. of Virginia**, 2 p.m.*

Heartburn, movie. See Oct. 16.

National Lampoon's Animal House, midnight movie. See Oct. 17.

SUNDAY

October 19

The Journey of Saint Paul, Wanderlust Unlimited series film and lecture by Robin Williams, 3 p.m., Hoff Theater. Call x2803 for info.

Athletic Events:

Men's Soccer vs. U. of North Carolina, 2 p.m.* **Women's Soccer vs. U. of North Carolina**, noon.*

Heartburn, movie. See Oct. 16.

MONDAY

October 20

Economic Aspects of Ethnic Conflict in Sri Lanka, Vice Chancellor's International Lecture by G.H. Peiris (U. of Peradeniya, Sri Lanka), noon-1 p.m., Maryland Room, Marie Mount Hall. Call x3008 for info.*

Viewing the Sun from Space, Astronomical Observatory Open House Lecture by Mukul Kundu (ASTR), 9 p.m., Astronomical Observatory. Call x3001 for info.*

Octuba Recital for the Euphonium, 8 p.m., Tawes Recital Hall. Call x6669 for info.*

Biological Control of the California Red Scale by the Parasitoid *Aphytis melinus*: A Test of Theory entomology colloquium by John Reeve (Ohio State U.), 4 p.m., 0200 Symons Hall.*

Learning Apprentice Systems computer science lecture by Tom Mitchell (Carnegie-Mellon U.), 4 p.m., 2324 Computer & Space Sciences Bldg.*

Sukkot Holiday Celebration featuring comedian Don Futterman, 6:30 p.m., Hillel. Call x6200 for info.

*—Free admission



Lecture Peeks Into Alexander Sarcophagus

History buffs can peer into a mystery of the ancient world this week with noted scholar Brunhilde Sismondo Ridgway. The UMCP Center for Mediterranean Archaeology will sponsor the illustrated lecture, *History and Legend: The Alexander Sarcophagus*, at 5 p.m. Wednesday, October 15 in 1213 Art/Sociology. Ridgway chairs the archaeology department at Bryn Mawr College and is a Fellow at the Center for the Advanced Study of the Visual Arts.

Tales from a Master Storyteller

Tales that reflect the collective wisdom, dreams and anxieties of the Jewish people told through drama and humor, mime and song, silence and sound, character and imagery can be heard at a Sukkot holiday

celebration next Mon., Oct. 20. Master Jewish storyteller and comedian Don Futterman is the featured entertainer at 6:30 p.m. at the B'nai B'rith Hillel Federation Jewish Student Center at 7612 Mowatt Lane, College Park. For info call 422-6200.

ARTS AT MARYLAND

Languages Move into Business World

As the world grows smaller, the languages at UMCP are expanding their scope.

Guenter Pfister, acting chairman of Germanic and Slavic Languages and Literatures at UMCP, sees the world growing smaller in the sense that economies are more intertwined. When one's businesses might deal as regularly with Japanese and German corporations as with American groups, language becomes a vital skill.

To meet the new world, language departments are offering courses with a practical bent. A business German class is being offered for the third time this semester.

The class introduces the German business vocabulary along with insights into the German business culture. Business majors as well as language majors are taking the class.

"We're saying, 'you are business majors. You've taken the basic program for three semesters, now I'm going to teach you your professional language.'"

Ronald Walton, associate professor of Hebrew and Asian Languages and Literatures, says, "I think language for a special purpose is a budding movement." Business Japanese and business Chinese classes have been offered for several years, drawing seven to 15 students each semester.

William Taylor, a senior business major taking business German this semester, finds pragmatic value in the course.

"I think it'll make me more marketable in the business world," he says.

"The business German has been quite helpful. We're studying the vocabulary which is very useful. We're also learning about writing business letters—the language is used differently in formal letters than when it's spoken."

The class also has given Taylor an introduction into aspects of the German business culture such as where different industries are concentrated in the country.

Pfister and Walton suggest the language courses could reach out into more subjects. Walton listed rural

development, computer science, engineering, anthropology, history and journalism as areas in which language classes geared to the subjects would prove valuable.

However, there needs to be more communication between the languages and other academic departments to make new programs successful, they say. The language departments must work with other departments to identify a need and then ensure that non-language majors know what's available—an attempt to

offer German for journalists this fall failed because only two students enrolled.

Pfister says such classes as business German don't prepare students for every situation they will face during their careers. But such classes are one more bit of experience that eases the process of learning the unfamiliar.

"If it only saves you from experiencing one embarrassing situation, it's one less embarrassment than the other folks have," Pfister says. ■

—Brian Busek

Faculty Dancers Swap Podium for Stage

UMCP faculty dancers will once again show that they can.

Years ago, George Bernard Shaw questioned teachers' performance capabilities with his remark, "He who can, does. He who can't teaches." But for the third straight year the dance faculty will defy Shaw's wit by performing in concert.

The UMCP faculty will dance Thursday, Oct. 16 through Saturday, Oct. 18 at the Publick Playhouse in Hyattsville. Performances all three nights begin at 8 p.m.

"I think it's beneficial for us to go out on that wire. We're being challenged," says dance department chairman Alcine Wiltz.

David Covey, Alvin Mayes, Susan Haigler De Robles and Wiltz are the faculty members who will dance. Isiah Johnson of the faculty will work as pianist. Faculty member Paul Jackson will handle the technical work.

They will perform Mayes' *Thistle and Marsupials*; Meriam Rosen's *Impresiones and Thaw*; and Wiltz' *Urban Estrangement*.

A free shuttle bus will be available to carry patrons from the Temporary Classroom Building EE to the Hyattsville theater beginning one hour before the concert.

For tickets and more information call x5853. ■



UMCP faculty members will perform in a dance concert at 8 p.m. Thursday, Oct. 16 through Saturday, Oct. 18 at the Publick Playhouse in Hyattsville. Tickets are \$7 and \$5.

Shyles: Keeping a Few Good Men

The Army wants Leonard Shyles to help it keep the good men it finds.

Shyles, a UMCP assistant professor of communication arts and theater, recently received a \$69,600 grant from the Army Research Institute to determine whether advertising can help the service retain soldiers who face a re-enlistment decision.

The Army currently spends more than \$63 million annually on advertising. But nearly all the advertising budget is directed toward recruiting. Army ads rarely address what Shyles says is a costly problem—new recruits joining the service, learning technical skills, then leaving for civilian jobs and forcing the Army to train new people.

Shyles says, "It costs \$100,000 to train a pilot. If you keep one pilot rather than train a new recruit, you could give a \$1,000 raise to 100 colonels."

According to Army statistics, in 1985 the service retained 28,760 of 79,018 soldiers who reached their first re-enlistment date. The total number of soldiers who leave is not a great concern, says Sgt. Bruce McLelland, an army manpower analyst. The Army weeded out 12,000 soldiers who were not given a chance to re-enlist. The departure of other soldiers allows the service to

keep lower ranks filled with new recruits.

What does concern the Army, however, is the loss of highly skilled soldiers. The Army suffers painfully large losses of linguistic specialists, aviation mechanics, satellite communications workers and skilled technicians in other areas, McLelland says.

As part of the study, Shyles will visit five Army bases and interview 150 persons facing re-enlistment to see what motivates soldiers to stay in the service or leave it.

Using results of the interviews, Shyles will develop a questionnaire that the Army can use to test attitudes on a large scale. Shyles expects to include recommendations about advertising approaches that might be effective in a campaign to keep soldiers.

One recommendation may deal with the Army's current "Be All You Can Be" advertising campaign for new recruits. Recruitment advertising often highlights the notion that the Army offers skills and educational opportunities that can be used outside the service. That approach might ultimately hurt the chances of keeping recruits at re-enlistment time, Shyles says. ■



The Art Garden adjacent to the Tawes Fine Arts Theatre will be dedicated in a ceremony at 3 p.m. Monday, Oct. 20, with vice chancellor A. H. Edwards presiding. The garden was designed by Shah Armajani, a leading figure in making artistic designs for public places. The Maryland State Arts Council commissioned the project.

DAVID TROZZO

Computer-Aided Building Workshop

No, it will not be a workshop on buildings that use computers but a discussion of how to use computers in designing and constructing building. Builders and computer experts will talk about how computer-aided design and drafting technology has affected the building industry 7

p.m. to 9:30 p.m. Thursday, October 30 in 1400 Marie Mount Hall. Registration is \$20 if paid by October 15, \$25 at the door, and \$10 for students with current ID. The event is sponsored by the UMCP Department of Housing and Design in association with the National Building Museum. For more information, call 454-1513.

Literally Swimming In Bacteria

Swimmers in coastal waters may literally be swimming in dangerous bacteria once thought killed or safely diluted by seawater, a campus scientist reports.

The ocean's capacity for absorbing the millions of tons of waste we dump in it each year is nowhere near as great as we once thought, UMCP microbiologist Jay Grimes warned Congress last spring.

"The oceans just aren't infinitely absorbent," Grimes notes in a 175-page report to Congress for the Office of Technology Assessment. "It isn't prudent to dispose of wastes, especially infectious wastes, with the same 'out of sight, out of mind' and 'dilution will take care of it' attitudes we've displayed so far."

Many of Grimes' conclusions are based on studies conducted off the northern coast of Puerto Rico, long a dumping ground for waste from the island's pharmaceutical industries. Some of these wastes contain bacteria that can cause disease in humans, Grimes notes, and he's been both tracking where these wastes end up and how they affect existing ocean microbes.

In addition to sampling for bacteria from the pharmaceutical dumpsite, Grimes investigated the fate of sewage spewing out from the Barceloneta Regional Wastewater Treatment Plant along the northern coast of Puerto Rico.

"We wanted to see whether the ocean was diluting the sewage sufficiently to make it a safe disposal site for sewage," Grimes says. Most U.S. coastal cities, including Baltimore, pump treated sewage into estuaries as well as into the open ocean.

While the UMCP microbiologist expected some changes in the bacterial community in the Atlantic off Puerto Rico, the magnitude of these changes surprised the entire research team. Prior to 1972, the first year that the dumpsite was used for pharmaceutical waste disposal, the most common ocean microbes were members of the group *Pseudomonas*. These relatively innocuous bacteria accounted for nearly 100 percent of all the bacteria cultured from water samples taken in the area that later became the dumping site. By 1979, Grimes reports, *Pseudomonas* had been virtually replaced by bacteria of the genus *Vibrio*.

"We don't know what the long-term effect of this substitution is going to be," Grimes says. "It's pretty obvious that the *Vibrio* bacteria are responding to and degrading something in the pharmaceutical waste, but we don't know what the ecological niche of these replacement microbes is."

"Without a doubt," he concludes, "ocean disposal of wastes has the potential to significantly alter the composition of marine microbial communities," a situation that does not augur well for continued use of the ocean as a dumping ground.

Even more ominous is the fate of certain disease organisms contained in the pharmaceutical waste. Grimes and his fellow researchers found that disease-causing bacteria from these waste products could remain viable and potentially capable of infecting people, either directly or through eating seafood. How could such a potentially disastrous situation go undetected for so long?

"Until recently," Grimes explains, "we believed that pathogenic bacteria just didn't survive for very long in estuarine and marine environments.

plating techniques, he says. "Our laboratory has asked this same question, and where other researchers assumed the answer was no, we can now answer in the affirmative for several bacterial pathogens," Grimes says. Among these human pathogens are *Escherichia coli*, a common cause of travelers' diarrhea, and *Vibrio cholerae*, the dangerous cholera agent.

Using new techniques to determine the numbers of bacteria in seawater samples, Grimes and his colleagues found that viable cells remain in

through an appropriate animal host. Pathogenic microbes such as *Shigella*, *E. coli*, and *V. cholerae* have all been recovered from the nonculturable state, Grimes notes.

"Pronouncing a body of water—whether it's the open ocean, the Chesapeake Bay or a lake—free from human disease agents based on the absence of culturable cells is no longer valid. Disease-causing bacteria can be present in a water sample and remain undetected when that sample is examined by conventional methods," Grimes asserts.

The likelihood of these viable but nonculturable bacteria causing infection can't be ascertained at this time, Grimes readily admits, but the evidence is mounting and he'd prefer to see us err on the side of caution.

"Terrestrial disposal is the disposal alternative least likely to return human disease agents to potential hosts," Grimes maintains. "The combination of pretreatment of wastes,

Most U.S. coastal cities, including Baltimore, pump sewage into estuaries as well as into the open ocean.

combined with the ability of soil to remove disease agents, makes terrestrial disposal more attractive than disposal in water."

"There's extensive literature available to support land disposal, possibly because sample design and collection is easier than in aquatic systems, especially in the ocean."

"Water disposal, on the other hand, is risky at best. Once released into the ocean, wastes cannot be recovered. Materials are subject to a variety of translocations and are also subject to many different kinds of uptake by aquatic plants and animals, including food species. To complicate matters even further, many marine animals are eaten raw, a practice rarely seen with terrestrial animals used for food and one that is becoming more and more common in the United States," the UMCP microbiologist says.

"At this point in time," Grimes informed Congress, "it just does not seem prudent to dispose of pathogen-laden wastes in water—fresh, estuarine, or marine."

Grimes made more recent headlines as the microbiologist tapped to determine whether the bacteria *Legionella pneumophila* was present in the campus Mill Building. ■

—Rick Borchelt



Jay Grimes

This belief was, and still is, based on the repeated observation that the number of pathogens would steadily decrease over time in saltwater until they could no longer be detected."

Grimes and his colleague Rita Colwell, also a UMCP microbiologist and the University's vice president for academic affairs, were unconvinced. Scientists and public health workers using conventional techniques for detecting marine microbes never bothered to ask whether viable, virulent pathogens could be present in water samples even though they could not be detected by standard

aquatic systems long after the microbes are nonculturable by standard plating methods.

Given that the pathogens are still alive, are they in fact healthy enough to infect a human host?

"Some scientists argue that even if the cells aren't dead, they're at least injured and moribund. There's little direct evidence to support that assumption," says Grimes. In fact, work by other scientists in the UMCP marine microbiology program report that some nonculturable but viable bacteria can be recovered, in fully virulent form, after passage

COLLEGE PARK PEOPLE

Stamp Union's Chief Cook and Bottle Washer



DAVID TROZZO

IN THE SPOTLIGHT: Larry Donnelly

This man's energy level is phenomenal. Just try following Larry Donnelly around for an hour or so and it soon becomes clear that it would be easier to win a dance contest with a whirling dervish than keep pace with Stamp Union's Unit Administrator for Food Services. One minute he's checking out the operation in the kitchen of What's Your Beef, the next he's helping to serve sandwiches at the Deli, twenty minutes later he's on the phone with the manager of the Atrium Restaurant in Central Administration while at the same time scanning the catering schedule for an affair that night in the Colony Ballroom.

"You should see me when I'm really busy," says Donnelly with a grin. "This is just normal operating procedures."

Donnelly's job, the one for which he was hired four years ago, is to oversee the operations of Dining Services' nine eating establishments in Stamp Union, as well as all catered affairs held at the Union, food for the press box when Chancellor Slaughter entertains guests at football and basketball games, and the Atrium Restaurant in the Elkins Building.

"I have about 300 employees to help me get my job done," says the Vietnam veteran who took his first job at UMCP shortly after leaving the Army in 1969. "That includes seven restaurant and catering managers. We have our problems—some times more than others—but I think overall we are doing a terrific job. Proof of our success lies in the fact that our sales have almost tripled over the last four years."

Donnelly, a Boston native, learned the food management business while in the Army from 1956 to 1968. His

rank was Mess Sergeant and as such he managed officers' clubs in Hawaii and Vietnam.

"When I returned to the U.S. in late 1968, I was looking around for a job and heard about an opening here at Maryland", Donnelly says. "My first position was Food Manager I in the old South Campus Dining Hall. After that I worked at the Rossborough Inn for a time, and later at the restaurant in the Adult Education Center. Then, four years ago, Mr. Sheriff (Director of Dining Services) asked me if I wanted the job here."

Since signing on at the Stamp Union, Donnelly has instituted a number of practices that have turned out to be very successful. It was his idea to remodel the Eateries so that they became open areas offering a wide assortment of foods and beverages—everything from pizza and pasta, to salads and sandwiches.

"I see part of my job talking one-on-one with students asking them what they like and don't like about the food at the Union," he says. "After all, they're our main customers and it's to our advantage to please them."

Up until last year when Dining Services instituted its prepaid charge-a-meal system, students on the UMCP boarding plan were permitted to take their meals at dining halls only. Now, however, they can use their plastic DS card at any of the campus' restaurants (except the Rossborough Inn or Roy Rogers, which is not part of Dining Services) and charge a slice of pizza, a dozen eggs from one of the convenience store, a full meal or other food items to their account.

"Giving students the option to eat at the Union has been a great boon

Foreign Studies Deadlines

The Office of International Affairs reminds interested faculty and researchers that deadlines for IREX, SSRC and USED Fulbright awards occur during November. IREX proposals for doctoral and faculty research exchange in the Soviet Union and Eastern Europe are due by Nov. 1,

SSRC international doctoral research fellowship materials are also due Nov. 1, and the campus deadline for USED programs (covering doctoral dissertation research abroad, faculty research abroad and group research abroad) is Oct. 30. For further information, contact Michael Miller, 1113 North Admin., 454-3008.

to us," says Donnelly. "But more importantly, it's a service we feel students deserve. I try very hard to communicate to my staff the positive value of letting students know in a friendly manner that we sincerely care about them."

And because many members of Donnelly's staff are themselves students, last spring at the campus-

wide party in honor of all Dining Services' student workers, those from Stamp Union turned the tables on their boss and gave him an award in recognition of his kind concern for them as individuals as well as employees. ■

—Mercy Hardie Coogan

Behind The Scenes

Take a close look at the photo at the bottom of this column. The two women pictured there are **Reggie Crawmer** and **Pam Gill**, both accounting associates in the Office of Campus Activities. At least 400 people on campus—and probably twice that number—believe the two deserve a medal of honor for both the quantity and quality of their work. Gill and Crawmer's main job is to assist each of the 400 student organizations on campus in the preparation of their annual budgets and to show them the procedures for obtaining money from the Student Government Association Fund. On their own time the two women conduct workshops for student organizations' treasurers and guide them in setting up their ledgers and maintaining their accounts in order. "I love the contact I have with the students," Gill says, "and I just hate to see some of them graduate and leave. It's been especially unique working with a king and queen." Crawmer and Gill also attend night school at University College where they are working toward degrees in Government and Politics and English respectively. (*Behind the Scenes* thanks Campus Activities office supervisor **Elizabeth Stecher** for passing along the good word regarding Crawmer and Gill.)...

In the 'it-takes-all-kinds-of-people' category, this week's prize goes to **Rick Moyer**, a program analyst in the Administrative Computer Center. Moyer first came to the attention of the *Behind the Scenes* talent scout by way of a memo from the Campus Recreation Services announcing that he had taken the top prize in the Summer '86 Horseshoes Tournament (narrowly defeating defending champ **Kathy Klein**, an office supervisor in the Dept. of Government and

Politics). In a follow-up phone call, however, Moyer revealed that he was afflicted with—for lack of a better word—sportsmania. "One of the major reasons I continue working at the University is the intramural sports activities available here," he confesses. "I'll play anything. Once I even signed up for a squash tournament having never really learned to play the game. It was great." Moyer, who says he's just an average athlete who thoroughly enjoys the fun of sports, graduated from UMCP in 1984 with a degree in information systems management. In his present job he helps offices all over campus devise computerized programs for such uses as an automated telephone system. "This fall I'll be doing football, badminton, volleyball and swimming. Last year I won a gold turtle for co-ed softball and a t-shirt emblazoned with the word 'champion' on it the year before that."

Sylvia Scott, who has for the past five years worked as a library technician at McKeldin and presently is in UMCP's library science graduate program, is a member of AFSCME Local 1072's health and safety committee. Every three weeks the committee meets with a representative from the Chancellor's office to deal with campus health and safety issues. Others on the committee are: **Craig Newman**, **Adrianna Stuart** and **Leon Swain**, all from the Department of Physical Plant.

And finally, **Pat Roos** from the newly created (by campus reorganization) College of Computer, Mathematical and Physical Sciences, reports that there's a contest afoot to rename the CMPS newsletter (the old name, "Quotient" being no longer meaningful—after all, queries Roos, how can there be a quotient without a division? ■



Pam Gill and Reggie Crawmer assisting student in the Campus Activities Office.

DAVID TROZZO

Best Little Hotel On Campus

The Center of Adult Education offers lodging and food accommodations to the families of students, faculty, staff and alumni. In addition, a coffee shop in the Mount Clare Room is open Monday through Friday, 7 a.m. to 7 p.m.; Saturday, 8 a.m. to 5 p.m. and Sunday, 8:30 a.m. to 2 p.m. The Garden Restaurant dining room is also open to University staff Monday through Friday, 11:30 a.m. to 2 p.m. For more information, call 985-7300.

Blum's Book in Chinese

Asst. Prof. of Communication Arts and Theatre Richard Blum's book, "Television Writing: From Concept to Contract," now in its second printing, has been translated into Chinese and excerpted in "TV Drama Arts," published in Sichuan.

Torney-Purta Gives Speech

Professor of Human Development Judith Torney-Purta delivered the keynote address at a symposium on "The World in the European Classroom" held in Helsinki in September. Torney-Purta, the only American presenter at the conference, spoke on how students acquire international knowledge.

LETTERS TO THE EDITOR

Here are a few more reactions to *Outlook* since it first appeared upon the campus scene six issues ago. Now we would like to hear your opinions and concerns on other topics—those you may read about in this publication as well as any others related to UMCP people and events.

■ ■ ■

...The University of Maryland College Park, *Outlook*, has been of extremely high quality. I was especially pleased by the edition of September 15. The tribute to Pauline Seidenspinner was especially pleasing to me, since I think she is a wonderful lady who deserves this recognition and who can be an inspiration to other University supporters. I was also delighted to read the tribute to Kathy Rodkey, and the review of campus reorganization with Brit Kirwan. The whole publication is readable, informative, and a boost to University morale...

John S. Toll, President
The University of Maryland

■ ■ ■

I find *Outlook* refreshing and a change for the better. It's a publication that you and your staff can be proud of in many ways...Keep up the good work and thanks for a copy every week. I really do read it from front to back!

Alan S. Fritch, Director
Office of University Relations
UM Eastern Shore

■ ■ ■

Outlook c'est magnifique, c'est bon! C'est *Precis*!! But of course! I have been a faithful reader of *Precis* for many years, and I just may re-enlist for another ten at UMCP because of its smart *Outlook*.

Nicole Brown, Secretary
Department of Zoology

■ ■ ■

New faculty, arrived at the same time as *Outlook*, which has already made a substantial contribution toward my orientation to this large and complex campus. Editorial and typographical quality superb, and it will continue

to be welcomed and thoroughly perused.

Robert Ellis Dunn, Assoc. Prof.
Department of Dance

■ ■ ■

You have asked for reactions to this new campus tabloid, *Outlook*, so you are getting one!

I just do not like the size of the paper on which it is printed. I much prefer the compact size of *Precis*. (Bigger the size, greater the chances of getting tossed into the trash!)

J. Shukla, Professor
Department of Meteorology

■ ■ ■

Greetings! This is just a note to let you know how much I enjoyed the new *Outlook* at College Park. Keep up the good work!

Clayton J. Powell, Jr.
GVPT, '78

■ ■ ■

You folks have really hit the heights with *Outlook*. I love the nice clean black and white scheme. And the way each individual department maintains its own identity, and still blends so smoothly with all the others...

Jean Greenwald
UMCP Campus Club

■ ■ ■

Having now read the first four issues of *Outlook*, I want to congratulate you and your colleagues upon having built so solidly upon the foundation established by *Precis*. You have taken thoughtful advantage of the new, larger format to extend importantly the range of reportorial coverage. Your capsule news items are gems of succinctness. Your major stories bear every welcome mark of care for sense, completeness and accuracy. Your photographs make every subject look interesting.

Donald W. O'Connell,
Dept. of Economics

■ ■ ■

FYI



Robert Shoenberg

LARRY CROUSE



Muriel Sloan

DAVID TROZZO

Academic Affairs Appts.

Vice Chancellor for Academic Affairs William Kirwan reports several staff changes within the academic affairs arena. Muriel Sloan, provost of the former Division of Human and Community Resources, has become assistant vice chancellor for school-University relations. Stavroula Fanos, Associate Dean in the College of Arts and Humanities, has been appointed assistant vice chancellor for budget and personnel. Robert Shoenberg, dean of undergraduate studies for 14 years, has become a special assistant to the vice chancellor for academic affairs. Gerald Miller, professor of

chemistry, replaces Shoenberg as acting dean for undergraduate studies.

Next Saturday is Parents Day

UMCP's annual Parents Day will take place on Sat., Oct. 18. Between 600 and 700 parents will participate in the day's activities which will begin at 9 a.m. with breakfast in the Stamp Union and end with the football game between the Terps and the Wake Forest Deacons. In between, parents can go on a guided tour of the campus, meet with faculty and participate in workshops on such topics as "Living with the Commuter Student" and "Exercise and Heart Disease." For info. call x4198.

FOCUS

New Steam System Saves \$\$\$

Contrary to what some people may believe, there is not such an abundance of hot air on this campus that we can afford to waste any. At least that's what Jack Galuardi of Architectural and Engineering Services says.

"The hot air I'm talking about is the steam we generate in our boilers," explains Galuardi, the assistant director of capital projects. "It is used to heat and cool all buildings and provide hot water all over campus."

In the past, the steam left the boilers and, when it had finished its work and again become water, it was emptied into the sewer system or the streams which flow through campus.

"The problem with this is that a great deal of water is wasted," Galuardi says, "not only the water used to make steam, but also thousands of extra gallons which have to be purchased from the

Washington Sanitary Commission and added to the hot water to cool it before it can be emptied into the sewers and streams."

In the new plan, 90 per cent of the original steam-turned-to-water will return to the boiler where it will be reheated and sent out again to campus buildings. Not only will this process significantly reduce UMCP's water bills, but it will also end the need to constantly purify incoming water (minerals in water corrode pipes and machinery) since the same water is used time and again.

Phase I of the steam condensate project, which connects the residence halls, will be completed by March, 1987. The second phase will connect the rest of the campus buildings and is slated to get underway in 1988. ■



Steam vent on the campus.

DAVID TROZZO